

# The First “A” in NASA

Motivations for a Career in Aerospace Engineering

Jennifer Cole



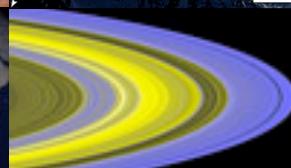
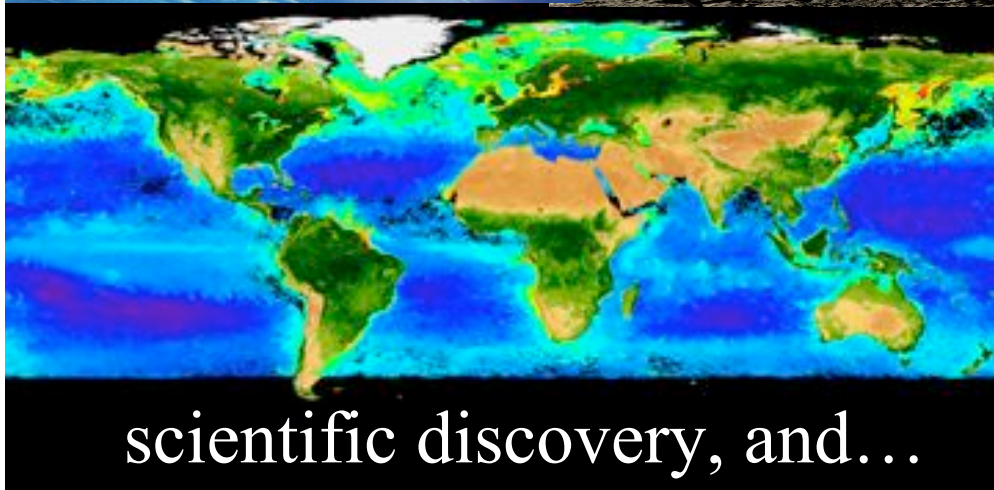
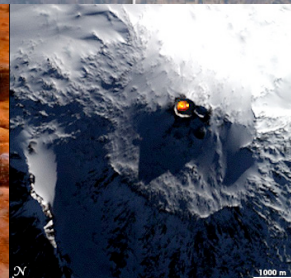
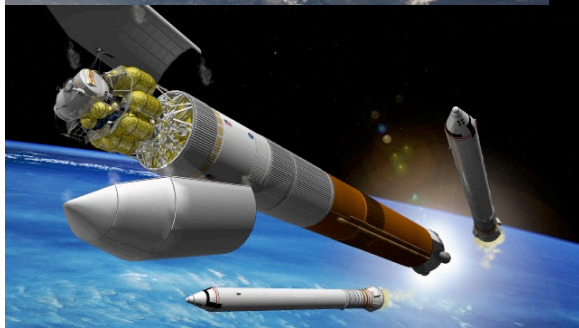
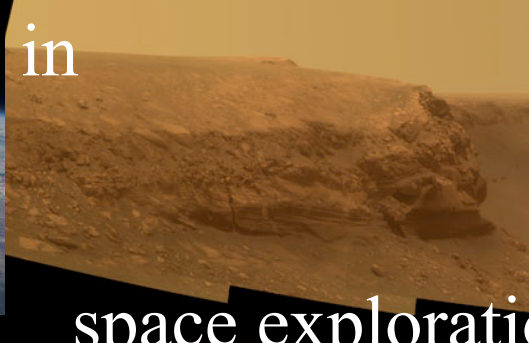
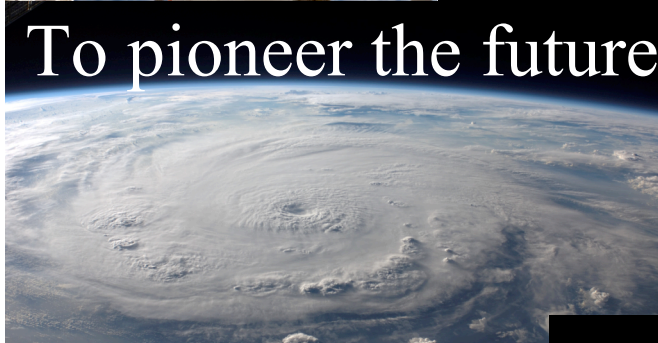


# NASA's Mission

To pioneer the future in

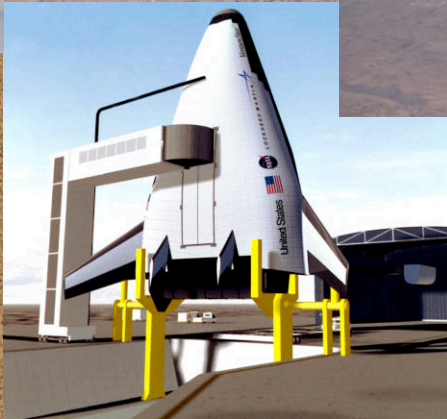
space exploration,

scientific discovery, and...





# Aeronautics Research !



# My Mission

I wanted a career where I would...

- Use **math and science** to work with airplanes...
- Work with **people who liked airplanes**
- **Challenge myself** and learn something new everyday

My first major:

Psychology !

My second major:

Aerospace Engineering !

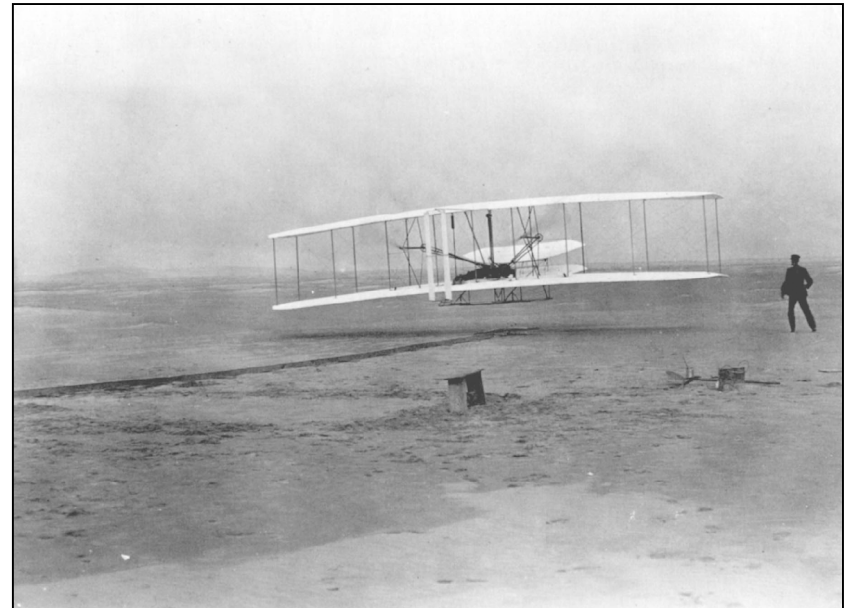


# Some Dryden Projects ...



# Powered, Controlled Flight

The first “Aerospace Engineers”...



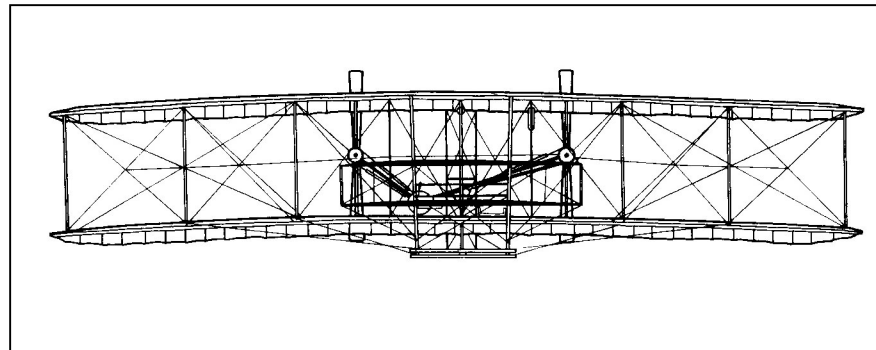
And their invention that  
changed the world...



# Bill Gates and the Airplane

*“The Wright Brothers created the single greatest cultural force since the invention of writing. The airplane became the first World Wide Web, bringing people, languages, ideas, and values together.”*

-- Bill Gates, CEO, Microsoft Corporation



# NASA Resources for You

## Finding the International Space Station in the night sky...

<http://spaceflight.nasa.gov/realdata/sightings/index.html>

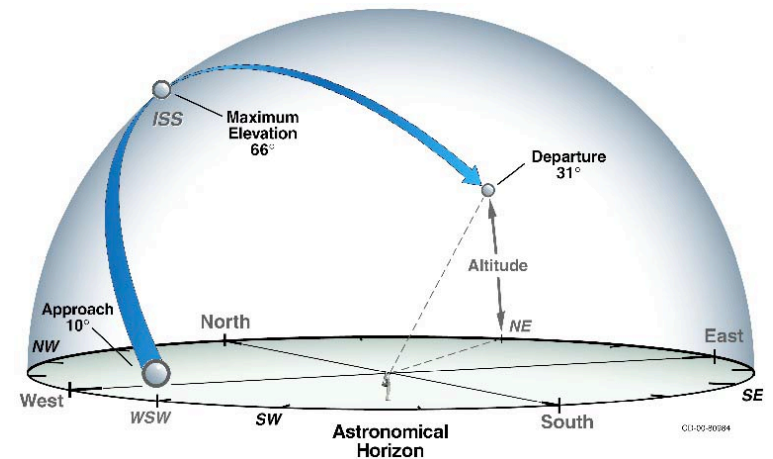
\*\*\*\*\* Northridge \*\*\*\*\*

THE FOLLOWING ISS SIGHTINGS ARE POSSIBLE FROM MON JAN 21 TO SAT FEB 02

SATELLITE	LOCAL DATE/TIME	DURATION (MIN)	MAX ELEV (DEG)	APPROACH (DEG-DIR)	DEPARTURE (DEG-DIR)
ISS	Tue Jan 22/06:11 AM	2	12	11 above WSW	10 above SSW
ISS	Wed Jan 23/05:01 AM	< 1	14	14 above SSE	11 above SSE
ISS	Sat Jan 26/07:12 PM	< 1	10	10 above SSW	10 above SSW
ISS	Sun Jan 27/06:01 PM	< 1	10	10 above SE	10 above ESE
ISS	Mon Jan 28/06:20 PM	3	38	10 above SSW	30 above E
ISS	Tue Jan 29/06:43 PM	1	44	30 above W	41 above NNW
ISS	Wed Jan 30/07:04 PM	1	15	11 above WNW	15 above NW
ISS	Thu Jan 31/05:50 PM	3	51	39 above W	10 above NE
ISS	Fri Feb 01/06:11 PM	3	16	13 above WNW	10 above N

ONLY DAYS WITH SIGHTING OPPORTUNITIES ARE LISTED

This data last updated on 21 Jan 2008 18:11:46 GMT



The ISS will look like a small, steady point of white light moving briskly across the sky....